BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Improvements To Roads And Drains at Shivapura and Surrounding Area in Ward No.05 Jakkur

BYATARAYANAPURA DIVISION

EMB

1st & Final Bill

Name of Contractor :Sri.R Shivaram
Estimated Cost:97.00 Lakh
Job Code:005-21-000020

Scanned by CamScanner

BRUHATH BANGALORE MAHANAGARAPALIKE

BYATARAYANAPURA DIVISION

1ST AND FINAL BILL

Name of work: Improvements To Roads And Drains at Shivapura and Surrounding Area in Ward No.05 Jakkur

Estimate Cost: 97.00 Lakhs
JOB NUMBER: 005-21-000020
As No: AS/EE(BTP)/54/2020-21 dt:24-11-2020
Ts No :TS/ SE(YNK) /50/2020-21 dt :02-12-2020
Work Order No: BBMP / EE/ BTP/ W.O /23/2021-22 dt: 09-08-2021
Name of Contractor : Sri.R Shivaram

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.										22.3953.00
	Qty Taken from Pre measurement Item No. 1, page No.1to2							**Cum**	**1228.17**	**231.20**	**283951.75**
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.										1065.527.00
	Qty Taken from Pre measurement Item No. 2, Page No.3to4							**Cum**	**184.37**	**5779.29**	**1065498.80**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm										
	For RCC Bottom Raft										
	For RCC Drain										
	Shivapura										
	2nd B Cross Road From Dead End to Main Road										
	RHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	24.20	0.90	0.15	0.15	0.15		3.27		
	DMK Layout										
	1st Cross Road From Palanahalli Main road to Dead End										
	LHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	4.60	0.90	0.15	0.15	0.15		0.62		
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	11.00	0.90	0.15	0.15	0.15		1.49		
		1	19.20	0.90	0.15	0.15	0.15		2.59		
	Dead End Road Near Pavamana Building										
	From Cross Road to Dead End										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	6.00	0.90	0.15	0.15	0.15		0.81		
	Kattigenahalli Near Om Circle								61.88		
	Main Road										

Executive Engineer

Scanned by CamScanner

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	From Om Circle to 1st B Cross Road										
	LHS										
		1	25.00	0.90	0.15	0.15	0.15		3.38		
	From 6th cross to 7th cross										
	LHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
	RHS	1	25.60	0.90	0.15	0.15	0.15		3.46		
	From 7th cross to 8th cross										
	RHS	1	26.00	0.90	0.15	0.15	0.15		3.51		
	1st B Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	12.50	0.90	0.15	0.15	0.15		1.69		
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	5.50	0.90	0.15	0.15	0.15		0.74		
	6th Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	24.00	0.90	0.15	0.15	0.15		3.24		
	7th Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	16.20	0.90	0.15	0.15	0.15		2.19		
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	22.00	0.90	0.15	0.15	0.15		2.97		
	8th Cross Road From Main Road to Dead End										
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	15.80	0.90	0.15	0.15	0.15		2.13		
	Bhagath Singh Layout										
	Dead End Road (LHS)	1	10.00	0.90	0.15	0.15	0.15		1.35		
	Palanahalli Main road										
	From BBMP Dry Waste Collection Center to Dead End										
		1	30.00	1.50	0.15	0.15	0.15		6.75		
		1	30.00	1.50	0.15	0.15	0.15		6.75		
		1	30.00	1.50	0.15	0.15	0.15		6.75		
		1	4.50	1.50	0.15	0.15	0.15		1.01		
		1	30.00	1.50	0.15	0.15	0.15		6.75		
		1	30.00	1.50	0.15	0.15	0.15		6.75		
		1	20.00	1.50	0.15	0.15	0.15		4.50		
	For RCC Culvert										
	Shivapura										
	Culvert at 2nd B Cross	1	5.90	1.20	0.25	0.25	0.25		1.77		
	Main Road										
	Culvert at 1st B Cross	1	6.00	1.20	0.25	0.25	0.25		1.80		
		1	7.00	1.20	0.25	0.25	0.25		2.10		
	For RCC Side Walls										
	For RCC Drain										
	Shivapura										
	2nd B Cross Road From Dead End to Main Road										
	RHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.55	0.58		5.18		
		2	30.00	0.15	0.55	0.60	0.58		5.18		

133.93

Scanned by CamScanner

em lo	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.78	0.69		6.21		
		2	24.20	0.15	0.78	0.95	0.87		6.28		
	DMK Layout										
	1st Cross Road From Palanahalli Main road to Dead End										
	LHS	2	30.00	0.15	0.60	0.65	0.63		5.63		
		2	30.00	0.15	0.65	0.60	0.63		5.63		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	4.60	0.15	0.60	0.60	0.60		0.83		
	RHS										
		2	30.00	0.15	0.60	0.53	0.57		5.09		
		2	30.00	0.15	0.53	0.62	0.58		5.18		
		2	30.00	0.15	0.62	0.40	0.51		4.59		
		2	11.00	0.15	0.40	0.40	0.40		1.32		
		2	19.20	0.15	0.57	0.60	0.59		3.37		
	Dead End Road Near Pavamana Building										
	From Cross Road to Dead End										
		2	30.00	0.15	0.35	0.25	0.30		2.70		
		2	6.00	0.15	0.25	0.20	0.23		0.41		
	Kattigenahalli Near Om Circle										
	Main Road										
	From Om Circle to 1st B Cross Road										
	LHS										
		2	25.00	0.15	0.57	0.46	0.52		3.86		
	From 6th cross to 7th cross										
	LHS	2	30.00	0.15	0.40	0.40	0.40		3.60		
	RHS	2	25.60	0.15	0.50	0.45	0.48		3.65		
	From 7th cross to 8th cross										
	RHS	2	26.00	0.15	0.48	0.45	0.47		3.63		
	1st B Cross Road From Main Road to Dead End										
	LHS										
		2	30.00	0.15	0.50	0.46	0.48		4.32		
		2	30.00	0.15	0.46	0.46	0.46		4.14		
		2	30.00	0.15	0.46	0.54	0.50		4.50		
		2	12.50	0.15	0.54	0.47	0.51		1.89		
	RHS										
		2	30.00	0.15	0.52	0.50	0.51		4.59		
		2	30.00	0.15	0.50	0.57	0.54		4.82		
		2	30.00	0.15	0.57	0.48	0.53		4.73		
		2	30.00	0.15	0.48	0.50	0.49		4.41		
		2	5.50	0.15	0.50	0.50	0.50		0.83		
	6th Cross Road From Main Road to Dead End										
	LHS										
		2	30.00	0.15	0.52	0.59	0.56		5.00		
		2	24.00	0.15	0.59	0.45	0.52		3.74		
	7th Cross Road From Main Road to Dead End										
	LHS										
		2	30.00	0.15	0.48	0.60	0.54		4.86		
		2	16.20	0.15	0.60	0.42	0.51		2.48		
	RHS										
		2	30.00	0.15	0.47	0.47	0.47		4.23		
		2	22.00	0.15	0.47	0.46	0.47		3.07		
	8th Cross Road From Main Road to Dead End										
	RHS										
		2	30.00	0.15	0.50	0.58	0.54		4.86		
		2	15.80	0.15	0.58	0.57	0.58		2.73		
	Bhagath Singh Layout										
	Dead End Road (LHS)	2	10.00	0.15	0.50	0.50	0.50		1.50		

144.83

Executive Engineer

Scanned by CamScanner

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	Palanahalli Main road										
	From BBMP Dry Waste Collection Center to Dead End										
		2	30.00	0.15	0.80	0.83	0.82		7.34	7.38	
		2	30.00	0.15	0.83	0.83	0.83		7.47		
		2	30.00	0.15	0.83	0.85	0.84		7.56		
		2	4.50	0.15	0.85	0.87	0.86		1.16		
		2	30.00	0.15	0.87	0.82	0.85		7.61		
		2	30.00	0.15	0.82	0.85	0.84		7.52		
		2	20.00	0.15	0.85	0.98	0.92		5.49		
	For RCC Culvert										
	Shivapura										
	Culvert at 2nd B Cross	2	5.90	0.30	0.60	0.60	0.60		2.12		
	Kattigenahalli Near Om Circle										
	Main Road										
	Culvert at 1st B Cross	2	6.00	0.30	0.35	0.35	0.35		1.26		
		2	7.00	0.30	0.35	0.35	0.35		1.47		
	Ramp For RCC Culvert										
	Shivapura										
	Culvert at 2nd B Cross	2	5.90	0.75	0.15	0.15	0.15	CFC	1.33		
	Kattigenahalli Near Om Circle										
	Main Road										
	Culvert at 1st B Cross	2	6.00	0.75	0.15	0.15	0.15	295	1.35		
		2	7.00	0.75	0.15	0.15	0.15	26/10/2024	1.58		
	Concrete Filling For Edge of Drain										
	Dead End Road Near Pavamana Building										
		1	30.00	0.30	0.15	0.15	0.15		1.35		
		1	6.00	0.30	0.15	0.15	0.15		0.27		
		1	7.20	0.30	0.15	0.15	0.15		0.32		
		1	3.20	1.20	0.15	0.15	0.15		0.58		
		1	7.40	0.30	0.15	0.15	0.15		0.33	56.10	2992019.00
								Present Qty =	**Cum 396.74**	**7541.70**	**2992055.22**
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications										1791148.00
	Qty Taken from Pre measurement Item No.4, Page No.5 to 8							**Tonne**	**26.25**	**68234.20**	**1791040.32**
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)										
	For RCC Drain										
	Shivapura										
	2nd B Cross Road From Dead End to Main Road										
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	24.20	0.90				183.78	21.78		
	BS Slab Deduction	-40	0.60	0.90					-21.60		
	DMK Layout										
	1st Cross Road From Palanahalli Main road to Dead End										
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90				56.00	27.00		

237.78 - 21.60 = 216.18

Scanned by CamScanner

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
		1	30.00	0.90					27.00		
		1	4.60	0.90					4.14		
	RHS										
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	11.00	0.90					9.90		
		1	19.20	0.90					17.28		
	Dead End Road Near Pavamana Building										
	From Cross Road to Dead End										
		1	30.00	0.90					27.00		
		1	6.00	0.90					5.40		
	Kattigenahalli Near Om Circle										
	Main Road										
	From Om Circle to 1st B Cross Road										
	LHS										
		1	25.00	0.90					22.50		
	From 6th cross to 7th cross										
	LHS	1	30.00	0.90					27.00		
	RHS	1	25.60	0.90				264.26	23.04		
	BS Slab Deduction	-19	0.60	0.90					-10.26		
	From 7th cross to 8th cross										
	RHS	1	26.00	0.90					23.40		
	1st B Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	12.50	0.90					11.25		
	RHS										
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	5.50	0.90				228.60	4.95		
	BS Slab Deduction	-30	0.60	0.90					-16.20		
	6th Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90					27.00		
		1	24.00	0.90					21.60		
	7th Cross Road From Main Road to Dead End										
	LHS										
		1	30.00	0.90					27.00		
		1	16.20	0.90					14.58		
	RHS										
		1	30.00	0.90					27.00		
		1	22.00	0.90					19.80		
	8th Cross Road From Main Road to Dead End										
	RHS										
		1	30.00	0.90					27.00		
		1	15.80	0.90					14.22		
	Bhagath Singh Layout										
	Dead End Road (LHS)	1	10.00	0.90					9.00		
	Palanahalli Main road										
	From BBMP Dry Waste Collection Center to Dead										
		1	30.00	1.50					45.00		
		1	30.00	1.50					45.00		
		1	30.00	1.50					45.00		
		1	4.50	1.50				328.95	6.75		

801.81 − 26.46 = 775.35

Scanned by CamScanner

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
							Present Qty =	Sqm	991.53		
							Limited to Qty =	Sqm	972.90	2451.51	2385074.98
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)										
	For RCC Culvert										
	Shivapura										
	Culvert at 2nd B Cross	1	5.90	1.20					7.08		
	Kattigenahalli Near OM Circle										
	Main Road										
	Culvert at 1st B Cross	1	6.00	1.20					7.20		
		1	7.00	1.20					8.40		
	Missing Slabs For Culverts										
	6th Cross road	8	0.60	1.50					7.20		
		1	0.60	1.20					0.72		
							Present Qty =	Sqm	30.60	5683.48	173914.49
										Sub Total	8691534.66
										GST Charges 12%	1042984.16
										Grand Total	9734518.81

8691835.00
1042996.20
9734531.20
Round Off · 97,34,000.00

26/10/25
Assistant Engineer
Ward No.05
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

26/10/2021
Assistant Executive Engineer
Bytarayanapura Sub-Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Scanned by CamScanner